

1 CLAIMS

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5 1. A sliding quick attach system, comprising:  
6 a support frame having a lower edge;  
7 an elongate catch member attached to said support frame substantially parallel  
8 to said lower edge;  
9 at least one latch structure attached to said support frame;  
10 an implement unit having an upper lip and a lower lip, wherein said upper lip  
11 removably and slidably engages said catch member; and  
12 at least one slot within said lower lip, wherein said slot extends longitudinally  
13 within said lower lip and wherein said slot receives a locking pin from said latch  
14 structure.

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17 2. The sliding quick attach system of Claim 1, wherein said slot extends at  
18 least along fifty-percent of the length of said lower lip.

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21 3. The sliding quick attach system of Claim 1, wherein said upper lip is  
22 comprised of a hook structure.

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25 4. The sliding quick attach system of Claim 1, including a first brace and a  
26 second brace extending between said support frame and said catch member.

1           5. The sliding quick attach system of Claim 1, wherein said locking pin  
2 includes a tapered portion.

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5           6. The sliding quick attach system of Claim 1, wherein said locking pin has a  
6 rectangular cross section.

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9           7. The sliding quick attach system of Claim 6, wherein said locking pin has a  
10 width slightly smaller than a width of said slot.

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13           8. The sliding quick attach system of Claim 1, wherein said catch member is  
14 comprised of a rod structure.

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17           9. The sliding quick attach system of Claim 1, wherein said latch structure  
18 includes a lever member attached to said locking pin for manipulating said locking pin.

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21           10. The sliding quick attach system of Claim 9, wherein said latch structure  
22 includes an engaging portion for securing said lever member in a locked position and a  
23 bias member in contact with said lever member for retaining said lever member within  
24 said engaging portion.

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27           11. A sliding quick attach system, comprising:  
28 a support frame having a lower edge;

1           an elongate catch member attached to said support frame substantially parallel  
2 to said lower edge;  
3           at least one latch structure attached to said support frame;  
4           an implement unit having an upper lip and a lower lip, wherein said upper lip  
5 removably and slidably engages said catch member;  
6           at least one slot within said lower lip, wherein said slot extends longitudinally  
7 within said lower lip and wherein said slot receives a locking pin from said latch  
8 structure; and  
9           an actuator unit attached between said support frame and said implement unit  
10 for applying a side-to-side force to said implement unit.

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13           12. The sliding quick attach system of Claim 11, wherein said slot extends at  
14 least along fifty-percent of the length of said lower lip.

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17           13. The sliding quick attach system of Claim 11, wherein said upper lip is  
18 comprised of a hook structure.

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21           14. The sliding quick attach system of Claim 11, including a first brace and a  
22 second brace extending between said support frame and said catch member.

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25           15. The sliding quick attach system of Claim 11, wherein said locking pin  
26 includes a tapered portion.

1           16. The sliding quick attach system of Claim 11, wherein said locking pin has  
2 a rectangular cross section.

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5           17. The sliding quick attach system of Claim 16, wherein said locking pin has  
6 a width slightly smaller than a width of said slot.

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9           18. The sliding quick attach system of Claim 11, wherein said catch member is  
10 comprised of a rod structure.

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13           19. The sliding quick attach system of Claim 11, wherein said latch structure  
14 includes a lever member attached to said locking pin for manipulating said locking pin.

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17           20. The sliding quick attach system of Claim 19, wherein said latch structure  
18 includes an engaging portion for securing said lever member in a locked position and a  
19 bias member in contact with said lever member for retaining said lever member within  
20 said engaging portion.